

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) Apparatus for the treatment of hazardous material and decontamination of items contaminated with such material comprising an operator accessible treatment vessel adapted to hold said hazardous material or contaminated items, ~~and a light source capable of irradiating contents within the treatment vessel with a predetermined wavelength of light~~ a holding tank capable of holding a carrier medium, a catalyst hopper capable of holding a catalyst, a mixing vessel facilitating mixing of the carrier medium and the catalyst, wherein the treatment vessel comprises one or more treatment chambers, the treatment chambers comprising a housing containing a plurality of treatment beds and a light source capable of irradiating contents within the treatment chambers with a predetermined wavelength of light, each treatment bed comprising means for inducing turbulent flow within the carrier medium, and a distribution header for controlling the flow of carrier medium and catalyst into the treatment chambers.
2. (previously presented) Apparatus according to Claim 1 wherein the treatment vessel comprises at least one tray for holding the hazardous material or contaminated items, and distribution means for circulating a carrier medium within or through the apparatus.
3. -10. (cancelled).